

## Statement of Work

Item	Description	Applicable Contract Function
1	Task Extension	Implementation Phase Services – Mechanical Systems Disciplines
Performance Requirements		Delivery Schedule:
<p>I.</p> <p>Extend Designer Engineer Support for the L'Ralph Scan Mirror Mechanism (SMM). Provide approximately <b>REDACTED</b> additional designer engineer support for the L'Ralph Scan Mirror Mechanism (SMM). Tasks are as before. This work shall be under Subtask 1.</p> <p>II.</p> <p>Extend MCE Board Engineer Support. Approximately <b>REDACTED</b> Board circuit design engineer engineering support for the L'Ralph Instrument Mechanism Control Electronics (MCE). Tasks are as before.</p> <p>Extend FPGA Engineer Support. Provide approximately <b>REDACTED</b> additional FPGA engineer support to develop code for the L'Ralph Instrument Mechanism Control Electronics (MCE). Tasks are as before.</p> <p>Extend EGSE Support. Provide approximately <b>REDACTED</b> additional test support to develop Racks for the L'Ralph Instrument Mechanism Control Electronics (MCE). Tasks are as before.</p> <p>Extend Controller support. Provide approximately <b>REDACTED</b> additional controls engineer support for the L'Ralph Instrument Mechanism Control Electronics (MCE). Tasks are as before.</p> <p>This work shall be under Subtask 2.</p> <p>III.</p> <p>Extend engineering support for the L'Ralph Instrument L'Ralph Telescope Detector. Tasks are as before, includes design and drawings for EM mirrors for fabrication and development of design concepts for the LEISA detector enclosure.</p> <p>The engineer shall support L'Ralph mechanical / optical / electro-mechanical /thermal design meetings; performing engineering data acquisition and analysis.</p> <p>This work shall be under Subtask 3</p> <p>IV.</p> <p>Extend Senior Engineer PDL for the LEISA MWIR detector assembly. Tasks are as before, Collaborate with the TDA Manager, Detector Lead, ISE, and discipline</p>		12 Month(s)

MIST SOW TASK 206

Title: L'Ralph Telescope Detector Assembly Scan Mirror Mechanism Control Electronics

<p>leads to package the LEISA H2RG detector and VIAVI LVF with the L'Ralph Instrument TDA. Participate in weekly PDL meetings, prepare charts for and support monthly instrument reviews, develop qualification and Protoflight test programs. Oversee the development of designs and hardware compliant with LEISA Level 4 requirements and GSFC standards (GOLD Rules, GEVS, and Code 540 PGs). Support the assembly/alignment, integration, and environmental testing of the LEISA detector to the TDA. Where applicable, manage the schedule and budget associated with LEISA development efforts in conjunction with Civil Servant personnel. This work shall be under Subtask 4.</p>	
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